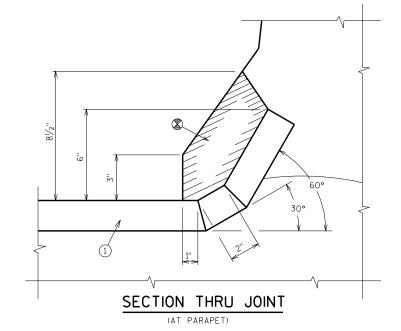


1-02



LEGEND

- 1. NEOPRENE STRIP SEAL (_ INCH) & STEEL EXTRUSIONS. A SET JOINT OPENING AT 13/4" WHEN EXPANSION LENGTH (230'-0". WHEN EXPANSION LENGTH > 230'-0", PREPARE A TEMPERATURE TABLE SHOWING JOINT OPENINGS AT 85° F, 40° F, & -5° F.
- 2. STUDS 5%" Φ X 63%" LONG AT 6" ALTERNATE CENTERS. WELD TO EXTRUSIONS & BEND AS SHOWN AFTER WELDING.
- 2A. 3" \times $^{1}\!/_{2}$ " Anchor plate with $^{5}\!8$ " ϕ ROD (or alternate STRIP SEAL anchor). Weld rod to anchor plate, weld anchor plate to *1 at 1'-6" ctrs. between girders.
- 3. 3/4" \$\phi\$ THREADED ROD WITH 2 NUTS AND WASHERS. FIELD SET ON \P OF GIRDER. ON ABUTMENT SIDE GROUT THREADED ROD INTO FIELD DRILLED HOLES IN ABUTMENT BACKWALL AS SHOWN.
- 4. ¾"Φ THREADED ROD WITH NUT. TACK WELD NUT TO NO.5.
- 5. FABRICATE SUPPORT FROM 3" X $/\!\!/_2$ " BAR AS SHOWN OR EQUIVALENT, ONE PER GIRDER PER SIDE, FIELD OR SHOP WELD TO NO.1. IF FIELD WELDED, COVER WELDED AREAS WITH EPOXY-COATING MATERIAL. PROVIDE 1 $^{\prime}2$ " ϕ HOLE FOR NO.3 & 1" ϕ HOLE
- 6. PLATE $\frac{3}{8}$ " × 10½" × (2'-0" LONG FOR SKEWS 10° TO 45° & 3'-0" LONG FOR SKEWS >45°) WITH HOLES FOR #7. BEND AS SHOWN
- 7. $\frac{3}{4}$ " ϕ x $1\frac{1}{2}$ " Stainless steel socket flat head screws WITH ANTI-SEIZE LUBRICANT. RECESS 1/16" BELOW PLATE SURFACE.
- 8. $\frac{3}{4}$ " $\phi \times 4$ " GALV. HEX HEAD BOLT. BEND 45°.
- 9. $\frac{3}{4}$ " $\phi \times 2 \frac{1}{4}$ " GALV. THREADED COUPLING.
- 10. GALVANIZED SDWK.PLATE $\frac{3}{8}$ " \times (2'-0" WIDE FOR SKEWS TO 45° & 3'-O" WIDE FOR SKEWS > 45°) X LIMITS SHOWN. BEND DOWN FACE OF SKWK. WITH HOLES FOR #7.
- 11. 1" x 5" SLOTTED CSK, HOLE FOR #7. SLOT PARALLEL TO DIRECTION OF MOVEMENT.



SECTION THRU JOINT AT ABUTMENT

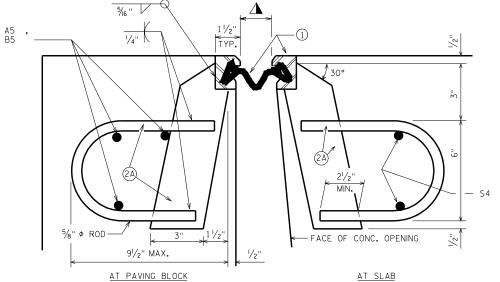
SET FLUSH WITH CONCRETE

MIN.

- FRONT FACE OF ABUT. BACKWALL

- END OF GIRDER

NORMAL TO & SUBSTRUCTURE



(4)

PAVING NOTCH

CONSTRUCTION JOINT

BACK FACE OF ABUTMENT

13

6

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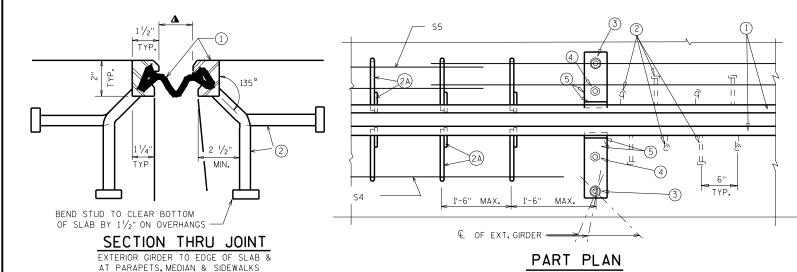
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ABUTMENT ——— REINFORCEMENT

SECTION THRU JOINT

ROADWAY TRAFFIC AREA BETWEEN EXTERIOR GIRDERS.



GENERAL NOTES

ONE FIELD SPLICE PERMITTED IN STEEL EXTRUSIONS. IF USED, DETAILS SHALL BE SUBMITTED FOR APROVAL. NO SPLICING PERMITTED IN NEOPRENE STRIP SEAL.

AFTER FABRICATION, BUT BEFORE SHIPMENT, STRAIGHTEN STEEL EXTRUSIONS SUCH THAT THEY SHALL BE FREE FROM WARP, TWIST & SWEEP.

FABRICATOR SHALL PROVIDE MEANS OF KEEPING GALVANIZED EXTRUSIONS CLEAN & SMOOTH DURING SHIPMENT AND PRIOR TO APPLYING LUBRICANT ADHESIVE FOR NEOPRENE GLAND INSTALLATION.

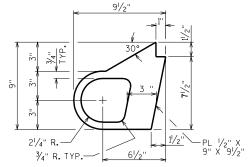
SANDBLAST PLATES & EXTRUSIONS AFTER FABRICATION IN ACCORDANCE WITH SSPC SP. #6 "COMERCIAL BLAST CLEANING". AFTER BLAST CLEANING THE PLATES & EXTRUSIONS SHALL BE HOT DIPPED GALVANIZED.

ANCHOR SYSTEM #8 & #9 SHALL CONFORM TO ASTM A307 & SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C & D.

STRIP SEAL EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS & HARDWARE WILL BE PAID FOR AT THE LUMP SUM PRICE BID FOR "EXPANSION DEVICE".

BLOCK OUT CONCRETE 2" EACH SIDE OF JOINT OPENING.

 \square JOINT OPENING DIM. ALONG SKEW PLUS 1/2".



ALTERNATE STRIP SEAL ANCHOR

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NO.	DATE	REVISION				BY	r
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